

5630



OIPE

ENTERED

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:10

Input Set : A:\06797-1.txt

Output Set: N:\CRF3\07172002\J049332.raw

5 <110> APPLICANT: Rothschild, Kenneth  
 7 Gite, Sadanand  
 9 Olejnik, Jerzy  
 13 <120> TITLE OF INVENTION: Methods for the Detection, Analysis and Isolation of Nascent Proteins  
 17 <130> FILE REFERENCE: AMBER-06797  
 21 <140> CURRENT APPLICATION NUMBER: 10/049,332  
 23 <141> CURRENT FILING DATE: 2002-02-11  
 27 <150> PRIOR APPLICATION NUMBER: PCT/US00/23233  
 29 <151> PRIOR FILING DATE: 2000-08-23  
 33 <150> PRIOR APPLICATION NUMBER: 09/382,950  
 35 <151> PRIOR FILING DATE: 1999-08-25  
 39 <160> NUMBER OF SEQ ID NOS: 40  
 43 <170> SOFTWARE: PatentIn version 3.0  
 47 <210> SEQ ID NO: 1  
 49 <211> LENGTH: 11  
 51 <212> TYPE: DNA  
 53 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 59 <223> OTHER INFORMATION: Synthetic  
 61 <400> SEQUENCE: 1  
 62 gccagccatg g 11  
 65 <210> SEQ ID NO: 2  
 67 <211> LENGTH: 9  
 69 <212> TYPE: DNA  
 71 <213> ORGANISM: Artificial Sequence  
 75 <220> FEATURE:  
 77 <223> OTHER INFORMATION: Synthetic  
 79 <400> SEQUENCE: 2  
 80 uaaggaggu 9  
 83 <210> SEQ ID NO: 3  
 85 <211> LENGTH: 22  
 87 <212> TYPE: DNA  
 89 <213> ORGANISM: Artificial Sequence  
 93 <220> FEATURE:  
 95 <223> OTHER INFORMATION: Synthetic  
 97 <220> FEATURE:  
 99 <221> NAME/KEY: misc\_feature  
 101 <222> LOCATION: (10)..(19)  
 103 <223> OTHER INFORMATION: All n's can be a, c, t, or g, and 5 may be absent or present  
 107 <400> SEQUENCE: 3  
 W--> 108 uaaggaggun nnnnnnnnna ug 22  
 111 <210> SEQ ID NO: 4  
 113 <211> LENGTH: 17

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:10

Input Set : A:\06797-1.txt

Output Set: N:\CRF3\07172002\J049332.raw

```

115 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
123 <223> OTHER INFORMATION: Synthetic
125 <400> SEQUENCE: 4
127 Trp Glu Ala Ala Ala Arg Glu Ala Cys Cys Arg Glu Cys Cys Ala Arg
128 1                5                10                15
130 Ala
133 <210> SEQ ID NO: 5
135 <211> LENGTH: 6
137 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetic
147 <400> SEQUENCE: 5
149 His His His His His His
150 1                5
152 <210> SEQ ID NO: 6
154 <211> LENGTH: 10
156 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
164 <223> OTHER INFORMATION: Synthetic
166 <400> SEQUENCE: 6
168 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
169 1                5                10
171 <210> SEQ ID NO: 7
173 <211> LENGTH: 8
175 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
183 <223> OTHER INFORMATION: Synthetic
185 <400> SEQUENCE: 7
187 Asp Tyr Lys Asp Asp Asp Lys
188 1                5
190 <210> SEQ ID NO: 8
192 <211> LENGTH: 8
194 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
202 <223> OTHER INFORMATION: Synthetic
204 <400> SEQUENCE: 8
206 Trp Ser His Pro Gln Phe Glu Lys
207 1                5
209 <210> SEQ ID NO: 9
211 <211> LENGTH: 9
213 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:10

Input Set : A:\06797-1.txt

Output Set: N:\CRF3\07172002\J049332.raw

```

221 <223> OTHER INFORMATION: Synthetic
223 <400> SEQUENCE: 9
225 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
226 1 5
228 <210> SEQ ID NO: 10
230 <211> LENGTH: 8
232 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
240 <223> OTHER INFORMATION: Synthetic
242 <400> SEQUENCE: 10
244 Met Trp Ser Pro Gln Phe Glu Lys
245 1 5
247 <210> SEQ ID NO: 11
249 <211> LENGTH: 111
251 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
259 <223> OTHER INFORMATION: Synthetic
261 <400> SEQUENCE: 11
262 gaattctaatacgcactcactataggggttaa ctttaagaag gagatataca tatggaacaa 60
264 aaattaatctcggaagagga tttggcagat tctgatatta atattaaaac c 111
267 <210> SEQ ID NO: 12
269 <211> LENGTH: 30
271 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
279 <223> OTHER INFORMATION: Synthetic
281 <400> SEQUENCE: 12
282 agcttcatta atgatgggtga tgggtgggtgac 30
285 <210> SEQ ID NO: 13
287 <211> LENGTH: 94
289 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
297 <223> OTHER INFORMATION: Synthetic
299 <400> SEQUENCE: 13
300 ggatccctaatacgcactcactatagggagac caccatggaa caaaaattaa tatcggaaga 60
302 ggatttgaat gtttctccat acaggtcacg ggga 94
305 <210> SEQ ID NO: 14
307 <211> LENGTH: 51
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic
319 <400> SEQUENCE: 14
320 ttattaatga tggatgatggt ggtgttctgt aggaatggta tctcggtttt c 51
323 <210> SEQ ID NO: 15
325 <211> LENGTH: 114

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:10

Input Set : A:\06797-1.txt

Output Set : N:\CRF3\07172002\J049332.raw

```

327 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
335 <223> OTHER INFORMATION: Synthetic
337 <400> SEQUENCE: 15
338 ggatcctaata acgactcact atagggagac caccatggga caccaccatc accatcacgg      60
340 agattacaaa gatgacgatg acaaagagga gccgcagtca gatcctagcg tcga      114
343 <210> SEQ ID NO: 16
345 <211> LENGTH: 68
347 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
355 <223> OTHER INFORMATION: Synthetic
357 <400> SEQUENCE: 16
358 attattacaa atcctcttcc gagattaatt tttgttcgtc tgagtcaggc ctttctgtct      60
360 tgaacatg      68
363 <210> SEQ ID NO: 17
365 <211> LENGTH: 30
367 <212> TYPE: DNA
369 <213> ORGANISM: Artificial Sequence
373 <220> FEATURE:
375 <223> OTHER INFORMATION: Synthetic
377 <400> SEQUENCE: 17
378 ctcatcagc tctcgaaca tctcgaagcg      30
381 <210> SEQ ID NO: 18
383 <211> LENGTH: 58
385 <212> TYPE: DNA
387 <213> ORGANISM: Artificial Sequence
391 <220> FEATURE:
393 <223> OTHER INFORMATION: Synthetic
395 <400> SEQUENCE: 18
396 ggatcctaata acgactcact atagggagac caccatggat gcatgtggaa ctttgtgg      58
399 <210> SEQ ID NO: 19
401 <211> LENGTH: 28
403 <212> TYPE: DNA
405 <213> ORGANISM: Artificial Sequence
409 <220> FEATURE:
411 <223> OTHER INFORMATION: Synthetic
413 <400> SEQUENCE: 19
414 gaggatccat tagatgaagg tgtggacg      28
417 <210> SEQ ID NO: 20
419 <211> LENGTH: 115
421 <212> TYPE: DNA
423 <213> ORGANISM: Artificial Sequence
427 <220> FEATURE:
429 <223> OTHER INFORMATION: Synthetic
431 <400> SEQUENCE: 20
432 ggatcctaata acgactcact atagggagac caccatgcac caccatcacc atcacggagg      60
434 agattacaaa gatgacgatg acaaagtttc tccatacagg tcacggggag ccaat      115

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:10

Input Set : A:\06797-1.txt

Output Set: N:\CRF3\07172002\J049332.raw

```

437 <210> SEQ ID NO: 21
439 <211> LENGTH: 67
441 <212> TYPE: DNA
443 <213> ORGANISM: Artificial Sequence
447 <220> FEATURE:
449 <223> OTHER INFORMATION: Synthetic
451 <400> SEQUENCE: 21
452 attattacaa atcctcttcc gagattaatt tttgttcaact tctgccttct gtaggaatgg      60
454 tatctcgc                                                                    67
457 <210> SEQ ID NO: 22
459 <211> LENGTH: 16
461 <212> TYPE: PRT
463 <213> ORGANISM: Artificial Sequence
467 <220> FEATURE:
469 <223> OTHER INFORMATION: Synthetic
471 <400> SEQUENCE: 22
473 Cys Ser Pro Phe Glu Val Gln Val Ser Pro Glu Ala Gly Ala Gln Lys
474 1          5              10              15
476 <210> SEQ ID NO: 23
478 <211> LENGTH: 11
480 <212> TYPE: PRT
482 <213> ORGANISM: Artificial Sequence
486 <220> FEATURE:
488 <223> OTHER INFORMATION: Synthetic
490 <400> SEQUENCE: 23
492 Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly
493 1          5              10
495 <210> SEQ ID NO: 24
497 <211> LENGTH: 11
499 <212> TYPE: PRT
501 <213> ORGANISM: Artificial Sequence
505 <220> FEATURE:
507 <223> OTHER INFORMATION: Synthetic
509 <400> SEQUENCE: 24
511 Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
512 1          5              10
514 <210> SEQ ID NO: 25
516 <211> LENGTH: 12
518 <212> TYPE: PRT
520 <213> ORGANISM: Artificial Sequence
524 <220> FEATURE:
526 <223> OTHER INFORMATION: Synthetic
528 <400> SEQUENCE: 25
530 Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys
531 1          5              10
533 <210> SEQ ID NO: 26
535 <211> LENGTH: 11
537 <212> TYPE: PRT
539 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002  
TIME: 14:38:11

Input Set : A:\06797-1.txt  
Output Set: N:\CRF3\07172002\J049332.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/049,332

DATE: 07/17/2002

TIME: 14:38:11

Input Set : A:\06797-1.txt

Output Set: N:\CRF3\07172002\J049332.raw

L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0